

AMENDMENTS TO THE ABSTRACT

Please cancel the Abstract section of the specification and replace with the following:

A storage controller includes a first memory that stores a plurality of data blocks that include first and second noncontiguous data segments. A queue module stores data lengths and data start addresses of the first and second data segments. A read assembly module communicates with the first memory and the queue module, receives a request to read the first and second data segments from a host, reads the plurality of data blocks from the first memory, extracts the first and second data segments from the read plurality of data blocks based on the data lengths and data start addresses after the plurality of data blocks is read from the first memory, and transfers the first and second data segments contiguously to the host.